

## ABSTRACT

The present invention provides an acrylic polymer emulsion containing a polymer formed by polymerizing 100 % by weight in total of a monomeric mixture comprising 50 to 90 % by weight of an alkyl acrylate or an alkyl methacrylate, 9 to 49 % by weight of a vinyl monomer of which homopolymer having a glass transition temperature  $T_g$  is not lower than 80°C, 0.2 to 10 % by weight of a vinyl monomer having a carboxyl group and 0.1 to 5 % by weight of a crosslinkable monomer having a molecular weight of not less than 280. The acrylic polymer emulsion of present invention provides gloves for home uses, works, examination operations, medical uses and the like which are superior in practical performances such as tensile strength, elongation, alcohol resistance, detergent resistance, oil resistance, recovering property after a stretch and wearing touch.